

CLAIMS

1.- Device for decoration of ceramic tiles, that has means for conveyance of tiles in whose trajectory means for projection of ink on the tile in order to print the desired motif are arranged; and is characterized in that it has at least one head (3) that is constituted by at least two independent printing modules (5) that are connected to a control unit (13) that controls the operation of each printing module independently in order to print the desired motif.

2.- Device for decoration of ceramic tiles, according to claim 1, characterized in that the independent printing modules (5) are situated obliquely with respect to the trajectory of the tiles, and all in such a way that the marking band of each one of said printing modules (5) is located after the adjacent ones.

3.- Device for decoration of ceramic tiles, according to claim 2, characterized in that the independent printing modules (5) are located one after another and/or parallel with a certain unalignment.

4.- Device for decoration of ceramic tiles, according to <sup>Claim 1</sup> the preceding claims, characterized in that the printing modules (5) occupy at least the entire width of the tile.

5.- Device for decoration of ceramic tiles, according to claim 1, characterized in that each independent printing module (5) is constituted by a microprocessor (10) and the corresponding memory (11) in order to operate independently under the control of the control unit (13).

6.- Device for decoration of ceramic tiles, according to claim 3, characterized in that a number of heads (3) in series is arranged, so that the different printing modules (5) that constitute them occupy at least the entire width of the tile (2).

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7.- Device for decoration of ceramic tiles, according to claim 1, 3 or 5, characterized in that at least as many heads (3) in parallel are arranged as printing colors are required in order to print the desired motif.

5 8.- Device for decoration of ceramic tiles. according to claim 1, characterized in that the control unit (13) has communication means (15) in order to permit the connection with other computers and to allow the remote management and verification of the device.

10 9.- Device for decoration of ceramic tiles, according to claim 1, characterized in that it has a superior printing quality than 200 dpi.

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